

50719_002wo2_Sequence_Listing.TXT
SEQUENCE LISTING

<110> X-CHEM, INC.
<120> METHODS OF CREATING AND SCREENING DNA-ENCODED LIBRARIES
<130> 50719/002wo2
<140> PCT/US2010/024314
<141> 2010-02-16
<150> 61/152,508
<151> 2009-02-13
<160> 65
<170> PatentIn version 3.5
<210> 1
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide
<400> 1
cctccggaga 10

<210> 2
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide
<400> 2
tccggaggac 10

<210> 3
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide
<400> 3
ccggcgccga 10

<210> 4
<211> 10
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide
<400> 4
ggcgccggac 10

50719_002W02_Sequence_Listing.TXT

<210> 5
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 5
 ccggtaccga 10

<210> 6
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 6
 ggtaccggac 10

<210> 7
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 7
 cccacgtgga 10

<210> 8
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 8
 cacgtgggac 10

<210> 9
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 9
 ccgagctcga 10

<210> 10

50719_002w02_Sequence_Listing.TXT

<211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 10
 gagctcggac 10

<210> 11
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 11
 ccg gatccga 10

<210> 12
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 12
 ggatccggac 10

<210> 13
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 13
 ccatcgatga 10

<210> 14
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 14
 atcgatggac 10

<210> 15
 <211> 10
 <212> DNA
 <213> Artificial Sequence

50719_002w02_Sequence_Listing.TXT

<220>		
<223>	Description of Artificial Sequence: Synthetic oligonucleotide	
<400>	15	
	ccaagcttga	10
<210>	16	
<211>	10	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic oligonucleotide	
<400>	16	
	aagcttggac	10
<210>	17	
<211>	10	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic oligonucleotide	
<400>	17	
	ccagatctga	10
<210>	18	
<211>	10	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic oligonucleotide	
<400>	18	
	agatctggac	10
<210>	19	
<211>	10	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic oligonucleotide	
<400>	19	
	ccgaattcga	10
<210>	20	
<211>	10	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: Synthetic	

oligonucleotide

<400> 20 gaattcggac	10
<210> 21 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 21 cctgatcaga	10
<210> 22 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 22 tgatcaggac	10
<210> 23 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 23 cccatatgga	10
<210> 24 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 24 catatgggac	10
<210> 25 <211> 10 <212> DNA <213> Artificial Sequence	
<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	
<400> 25	

	50719_002w02_Sequence_Listing.TXT	
gaacctgctt		10
<210> 26		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: Synthetic oligonucleotide		
<400> 26		
gcaggttctc		10
<210> 27		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: Synthetic oligonucleotide		
<400> 27		
gaagacgctt		10
<210> 28		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: Synthetic oligonucleotide		
<400> 28		
gcgtcttctc		10
<210> 29		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: Synthetic oligonucleotide		
<400> 29		
gaccagactt		10
<210> 30		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: Synthetic oligonucleotide		
<400> 30		
gtctggtctc		10

50719_002w02_Sequence_Listing.TXT

<210> 31
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 31
 gacgactctt 10

<210> 32
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 32
 gagtcgtctc 10

<210> 33
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 33
 gacgcttctt 10

<210> 34
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 34
 gaagcgtctc 10

<210> 35
 <211> 10
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide
 <400> 35
 gagcaacctt 10

<210> 36
 <211> 10
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 36

ggttgctctc

10

<210> 37

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 37

gagccatctt

10

<210> 38

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 38

gatggctctc

10

<210> 39

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 39

gcaaccactt

10

<210> 40

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 40

gtgggttgctc

10

<210> 41

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 41
gcacagactt 10

<210> 42
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 42
gtctgtgctc 10

<210> 43
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 43
gcgatcactt 10

<210> 44
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 44
gtgatcgctc 10

<210> 45
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 45
gcggttactt 10

<210> 46
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 46
gtaaccgctc 10

<210> 47
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 47
gcatgacctt 10

<210> 48
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 48
ggtcacgctc 10

<210> 49
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 49
gcgtactctt 10

<210> 50
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 50
gagtacgctc 10

<210> 51
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<220>
<221> modified_base

<222> (21)..(21)
 <223> t-NH2

<400> 51
 tcctggctga ggcgagagtt tttctctcgc ctcagccagg acc

43

<210> 52
 <211> 43
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<220>
 <221> modified_base
 <222> (21)..(21)
 <223> t-amino-PEG2000

<400> 52
 tcctggctga ggcgagagtt tttctctcgc ctcagccagg acc

43

<210> 53
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 53
 ggaggactgt

10

<210> 54
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 54
 agtcctccgg

10

<210> 55
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 oligonucleotide

<400> 55
 cagacgacga

10

<210> 56
 <211> 10
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 56

gtcgtctgac

10

<210> 57

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 57

cgatgctctt

10

<210> 58

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 58

gagcatcgtc

10

<210> 59

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 59

gctgtgcagg tagagtgc

18

<210> 60

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 60

aacgacacgt ccatctcacg

20

<210> 61

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer
 <400> 61
 ctctcgctc agccagga 18

<210> 62
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer
 <400> 62
 gcactctacc tgcacagc 18

<210> 63
 <211> 56
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer
 <400> 63
 ggatgccgaa tgcctaatac gactcactat agggacaatt actatttaca attaca 56

<210> 64
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide
 <400> 64
 ggaggactgt 10

<210> 65
 <211> 10
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic oligonucleotide
 <400> 65
 agtcctccgg 10